## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION            | INITIALS | ID NO. | DATE     |
|---------------------|----------|--------|----------|
| FEE DETERMINATION   | 7.0      |        | 11/30/39 |
| O.I.P.E. CLASSIFIER |          | 18     | 12/3/99  |
| FORMALITY REVIEW    |          | 71557  | 12/15/99 |

## INDEX OF CLAIMS

| ~ | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
| = | Allowed                    | 1 | Interference |
| _ | (Through numeral) Canceled | Α | Appeal       |
| ÷ | Restricted                 | 0 | Objected     |

| Cla      | aim       | Γ                  |          |                |              |              | Da       | ite      |            |          |                                                  |          | 7 | Cla             | im       | Γ                 |   |          |          | Da             | te           |              | _        |
|----------|-----------|--------------------|----------|----------------|--------------|--------------|----------|----------|------------|----------|--------------------------------------------------|----------|---|-----------------|----------|-------------------|---|----------|----------|----------------|--------------|--------------|----------|
| <u> </u> | 7         | ı                  | b        | 2              | , (4         | 6            | 1        | Ť        | Τ          | 1        | Τ                                                | Τ        | 1 | F               | T        |                   |   | T        | T        | T              | Ť            | Т            | Т        |
| =        | Original  | 10                 | 6<br>0(  | 211            | . lī         | 6            | İ        | 1        |            | Ì        |                                                  | 1        |   | <b>i</b> =      | Original |                   |   |          |          |                | 1            | 1            | ı        |
| Final    | 녆         | 01                 | lot      | 0              | 4            | st           | 4        | 1        |            |          | 1                                                | -        |   | Final           | Įξ       |                   |   | 1        | 1        |                |              | ŀ            | ı        |
| H        | ř         | 1                  | K.       | 10             | /            | 7            | ┢        | ╁        | ╁╌         | +        | +                                                | ╁        | 1 |                 | 51       | -                 | H | ╫        | ╁╌       | ╁              | ╁            | +-           | ╁        |
| H        | 2         | łŤ                 | ΙŤ       | <del>۱</del> ň | +            | Ť            | ┢        | ╁        | +          | +-       | ╫                                                | +        | ┨ | -               | 52       |                   |   | ╁        | ╁        | ╁              | ╁            | ╁            | ╁        |
| ⊢        | 3         | H                  | ++       | ╫              | +            | ╁            | ┢        | ╁        | +          | ╁        | ╫                                                | +        | ┨ | -               | 53       | -                 | _ | $\vdash$ | +-       | ╁              | ╁            | ⊢            | ╁        |
| -        | 4         | +                  | ₩        | H              | ╁            | ⋪            | ┝        | ╀        | ╀          | +        | ╁                                                | +        | - | $\vdash$        | 54       | Н                 | _ | ⊢        | ╄        | -              | $\vdash$     | ╄            | ╀        |
| $\vdash$ | 3         | H                  | H        | 1              | 7.33         | W.           | -        | ╁        | +-         | ╁        | ╁                                                | +        | 1 | $\vdash$        | 55       | Н                 |   | ⊢        | ╀        | ╁╌             | ╀            | ╁            | ╀        |
| _        | 4         | H                  | ╫        | , id<br>of     | T.           |              | H        | +-       | +          | +        | ╀                                                | +-       | - | $\vdash$        | 56       | Н                 |   | ⊢        | ╀        | +-             | ⊢            | ╁            | ₽        |
| $\vdash$ | 7         | H                  | ₩        |                | 7            |              | ┝        | ╁        | ╁          | ╄        | ╁                                                | ╀        | - | -               | 57       | $\vdash$          | _ | ┼        | ╁        | +              | ⊢            | ├            | ╄        |
| ⊢        | 8         | H                  | ₩        | X              | 1            | <del>/</del> | -        | ╁        | ╁          | ╀        | +                                                | ╀        | ┨ | $\vdash$        | 58       |                   | _ | -        | ╄        | ╀              | ├            | ╀            | ╄        |
| ⊢        | ₩         | Н                  | ₩        | H              | Н            | H            | -        | ╀        | ╁          | ╁        | ╁                                                | ╄        | - | -               | -        | Н                 |   | ⊢        | ╀        | ⊢              | ├            | $\vdash$     | ╀        |
| -        | 9         | Н                  | H        | H              | Н            | Ļ            | -        | ╀╌       | +-         | ┿        | +                                                | ╄        | - | $\vdash$        | 59       | Н                 |   | ⊢        | ╀        | ⊢              | ├            | _            | ╁        |
| H        | 10        | H                  | Н        |                |              | 7            | -        | ╀        | +-         | ┿        | ╀                                                | +-       | - | $\vdash$        | 60       |                   |   |          | $\vdash$ | -              | _            |              | Ł        |
| -        | 12        | X                  | 7        | 7              | T            |              | -        | ┼        | +-         | +        | ╀                                                | +-       | - | $\vdash$        | _        |                   |   | -        |          | -              |              |              | 1        |
| ┝        | 13        | 7                  | Н        | ╁              | -            | _            | <u> </u> | ╀        | +          | ╀        | +                                                | ╁        | 4 | $\vdash$        | 62       |                   | _ | ▙        | _        | $\vdash$       | -            | <u> </u>     | ╀        |
| <u> </u> | ļ         | H                  | ₩        | H              | #            | H            | $\vdash$ | +        | +          | +        | +                                                | ╀        | - | $\vdash$        | 63       |                   |   | <u> </u> | ₩        | $\vdash$       | _            | $\vdash$     | 1        |
| <u> </u> | 14        | $oldsymbol{arphi}$ | H        | H              | #            | H            | <u> </u> | ╀        | +          | +        | +                                                | +        | - | $\vdash$        | 64       |                   |   | $\vdash$ | +        | ⊢              |              | ⊢            | ╀        |
| ┡        | 15        | Н                  | 11       | H              | +            | L            | L        | ╀        | +          | ┿.       | ╄                                                | ╀        | - | $\vdash$        | 65       |                   |   | ╙        | ↓_       | _              | L            | ╙            | ╀        |
| <u> </u> | 16        | 4                  | #        | H              | +            | l.           | _        | ╀        | _          | -        | ╀                                                | ╀        |   | Щ               | 66       |                   |   | ┡        | ╙        | _              | _            | L            | Ļ        |
| $\vdash$ | :7        | Ц                  | Щ.       | H              | +            | Ц            | L        | ╀        | ļ.         | 4_       | ╄                                                | 1        | 4 | L               | 67       |                   |   | ┖        | ļ.,      | ┖              | ╙            | ╙            | Ļ        |
|          | 18        | Ш                  | 1        | 4              | 1            | Ц            |          | L        | $\perp$    | ↓.       | _                                                | ╙        | 4 | <u></u>         | 68       |                   |   |          | $\perp$  | $\perp$        | <u> </u>     | L            | L        |
|          | 19        | Ц                  | 1        | 11             | 1            | Ц            |          |          |            |          |                                                  | L        |   |                 | 69       |                   |   | L        | 丄        |                |              |              | L        |
|          | 20        |                    |          | П              |              | П            |          |          |            |          | 1                                                |          |   |                 | 70       |                   |   |          |          |                |              |              |          |
|          | 21        | П                  |          | I              |              | П            | Г        | Г        | Т          | T        | Г                                                | Τ        | 1 |                 | 71       | $\Box$            |   |          |          |                |              |              | T        |
|          | 22        | П                  | П        | П              | П            | П            |          | Г        |            | П        | Т                                                |          | 1 | П               | 72       |                   |   | Г        |          |                |              |              | T        |
|          | 23        | П                  |          | П              | П            | П            |          | Г        | T          | Т        | Г                                                |          |   |                 | 73       |                   |   |          |          |                |              |              | T        |
|          | 24        | I                  |          | П              |              |              |          |          |            |          |                                                  |          |   | П               | 74       |                   |   | Ī.       |          |                |              |              | T        |
|          | 25        | 1                  | П        | П              | T            | П            |          |          | 1          |          |                                                  | 1        | 1 |                 | 75       | T                 |   | Г        | Т        |                |              |              | T        |
|          | 26        | J                  | T        | П              | Ħ            | П            |          |          | T          | T        | t                                                | T        | 1 | П               | 76       |                   |   |          |          |                | 1            | T            | T        |
| 7        | 27        | <b>ブ</b>           | H        | П              | 11           | ┪            | _        | T        | 1          | 1        | T                                                | T        | 1 | П               | 77       | T                 |   |          | Т        | Т              | $\vdash$     |              | Ĺ        |
|          | 28        | V                  | 1        | H              | #1           | П            | _        | T        | 十          | T        | <del>                                     </del> | $\vdash$ | 1 | Н               | 78       | _                 |   |          | H        | $\vdash$       |              |              | H        |
|          | 29        | Ť                  | H        | H              | Ħ            | H            |          | 一        | 1          | $\top$   | 1                                                | t        | 1 | Н               | 79       | $\neg$            | _ | $\vdash$ | T        | $\vdash$       |              | $\vdash$     | H        |
| Ħ        | 30        | Ť                  | Н        | 1              | Ħ            | H            | -        | ı        | 1-         | ⇡        | $\vdash$                                         | ╁        |   | Н               | 70       | $\dashv$          | _ |          |          |                | r            |              | H        |
| ┪        | 31        | Ž                  | H        | H              | +            | H            | _        | $\vdash$ | T          | †-       | $\vdash$                                         | -        | 1 | Н               | 81       | 7                 | _ | H        | _        | $\vdash$       |              | ┢            | H        |
| H        | 32        | Ť                  | H        | H              | t            | H            |          |          | 1-         | ╁        | 十                                                | ╁        | 1 |                 | 82       | 110               | 0 |          |          | -              |              |              | H        |
| 1        | 33        | Ť                  | H        | Н              | Н            | H            |          | ┢        | ✝          | ┿        | t                                                | $\vdash$ | 1 |                 | 83       | -                 |   |          |          | -              | -            | -            | H        |
| H        | 34        | √.                 | ₩        | Ιt             | $\mathbf{H}$ | H            | _        | Н        | t          | +-       | ┢                                                |          | 1 | H               | 84       | 十                 |   |          | $\vdash$ | $\vdash$       | $\vdash$     | -            | $\vdash$ |
| 1        | 35        | Ť                  | *~       | ۲,             | N            | H            |          | $\vdash$ | ╁          | +        | $\vdash$                                         | ╁        | 1 | $\vdash$        | 85       | $\dashv$          | - | $\vdash$ | $\vdash$ | -              | $\vdash$     | <del> </del> | $\vdash$ |
|          | <b>36</b> | -                  | -        | $\vdash$       | ۲            | 4            |          | $\vdash$ | ╁          | +        | $\vdash$                                         | $\vdash$ | 1 | $\vdash \vdash$ | 86       | $\dashv$          | - | <b>—</b> | -        | $\vdash$       | -            | $\vdash$     | $\vdash$ |
| H        | 37        |                    | -        | -              | t            | +            | _        | $\vdash$ | +          | +        | $\vdash$                                         | ╁        | 1 |                 | 87       | +                 | - | -        | $\vdash$ | -              | $\vdash$     | <u> </u>     | $\vdash$ |
| $\vdash$ | 38        |                    | $\vdash$ | $\vdash$       | +            | +            | -        | -        | ╁          | $\vdash$ | $\vdash$                                         | ╁        | ł | $\vdash$        | 88       | $\dashv$          | _ | —        | -        | $\vdash$       | $\vdash$     | -            | ┝        |
| $\vdash$ | 39        | _                  | -        | -              | +            | +            |          | -        | $\vdash$   | +        | $\vdash$                                         | -        | ł | -               | 89       | -                 |   |          | $\vdash$ | -              | <del> </del> |              | $\vdash$ |
| $\vdash$ | 40        | _                  |          | <del> </del>   | +            | +            |          | ⊢        | ⊢          | ╁        | <del> -</del>                                    | ⊢        | 1 | -               | 90       | -+                | - | _        | -        | <del>   </del> | <del> </del> | -            | -        |
| $\dashv$ | 41        |                    | -        | ⊢              | ╀            | 4            |          | $\vdash$ | ┼          | +        | -                                                | <b>├</b> | ļ |                 |          | -+                | _ |          | -        | Н              | <u> </u>     | <u> </u>     | L        |
| $\sqcup$ |           | _                  | _        | <u> </u>       | ╀            | 4            | _        | _        | ├-         | ـــ      | _                                                | <u> </u> | l | -               | 91       | 4                 | _ |          | <u> </u> |                |              |              | L        |
|          | 42        | _                  | _        | <u> </u>       | ╀            | 4            | -        | <u> </u> | ⊢          | <u> </u> | ļ                                                | ऻ_       |   | $\rightarrow$   | 92       | _                 | _ | _        | <u> </u> | _              |              |              | L        |
|          | 43        | _                  | <u> </u> | _              | L            | 4            |          | L        | $\vdash$   | ├-       | ļ                                                | <u> </u> |   |                 | 93       | _                 |   | _        | <u> </u> | Ш              |              |              | L        |
|          | 44        | _                  |          | L              | L            | 4            |          | <u>_</u> | <b>!</b> _ | <u> </u> | L                                                | <u> </u> |   | -               | 94       | ightharpoonup     |   |          |          | Ш              |              |              | L        |
| _        | 45        | _                  |          | L.             | $\perp$      | 4            |          |          | <u>L</u>   | L        | L                                                | <u>L</u> | 1 | -               | 95       |                   |   |          | oxdot    | Ш              |              |              | _        |
|          | 46        |                    |          | L              | L            | 4            |          |          | L          | <u> </u> | L                                                | L        |   |                 | 96       | $\perp$           |   |          |          |                |              |              |          |
|          | 47        |                    |          |                | L            | $\perp$      |          |          |            | $\perp$  | L                                                | ot       |   | _               | 97       |                   |   |          |          |                |              |              | L        |
|          | 48        |                    |          |                | L            | 1            |          |          | L          |          | •                                                |          |   | _               | 98       | $oldsymbol{\bot}$ |   |          | لتا      |                |              |              | Ĺ        |
|          | 49        |                    |          |                | L            |              |          |          |            |          |                                                  | _        |   |                 | 99       | T                 | 1 |          |          |                |              |              | ľ        |

| Cla           | ıim        |          | Date                                             |          |          |          |          |                                                  |          |    |                   |  |  |  |  |
|---------------|------------|----------|--------------------------------------------------|----------|----------|----------|----------|--------------------------------------------------|----------|----|-------------------|--|--|--|--|
| Final         | Original   |          |                                                  |          |          |          |          |                                                  |          |    |                   |  |  |  |  |
|               | 110        |          | T                                                | Т        |          |          | Т        |                                                  |          | T  | T                 |  |  |  |  |
| П             | 112        |          | Γ                                                | Γ        | 1        |          | 1        |                                                  |          | T  | T                 |  |  |  |  |
|               | 113        |          |                                                  |          |          | Т        |          |                                                  |          | Т  | Т                 |  |  |  |  |
|               | 114        |          |                                                  |          |          |          |          |                                                  |          |    |                   |  |  |  |  |
|               | 115        |          |                                                  | L        |          |          |          |                                                  |          |    |                   |  |  |  |  |
|               | 116        |          | L                                                | L        | L        |          |          |                                                  |          |    |                   |  |  |  |  |
|               | 117        |          | L                                                | L        |          | <u> </u> |          |                                                  |          |    |                   |  |  |  |  |
| Щ             | 118        |          | L                                                | <u> </u> | ╨        | ╄        | $\vdash$ | <u> </u>                                         | <u> </u> | _  | ļ.,               |  |  |  |  |
| $\vdash$      | 119        |          | ┡                                                | -        | ↓_       | ↓_       | _        | <u> </u>                                         |          | -  | ļ.,               |  |  |  |  |
|               | 110        | _        | <u> </u>                                         | L        | ╄        | ╀        | _        | ┞                                                | ┡        | -  | ╀                 |  |  |  |  |
|               | 111<br>112 |          | H                                                | ╀        | ⊢        | ₩        | $\vdash$ | ├—                                               | -        | -  | ╀                 |  |  |  |  |
| H             | 113        | _        | ⊢                                                | ╁        | ╁        | ╁        | ╁        | ├                                                | ┢        | ├- | ╁                 |  |  |  |  |
| Н             | 114        |          | <del>                                     </del> | ┝        | ╁        | ╁        | ╁        | -                                                | $\vdash$ | ╁  | ┾                 |  |  |  |  |
| Н             | 115        |          | ┢                                                | ╁        | $\vdash$ | $\vdash$ | - 4      | <del>                                     </del> | ⊢        | ╆  | ┿                 |  |  |  |  |
| $\vdash$      | 116        | _        | H                                                | H        | ┢        | ╁        |          |                                                  | ┢        | ┢  | ╁                 |  |  |  |  |
|               | 117        | _        | Т                                                | T        | $\vdash$ | T        | 1        |                                                  | t        | ┢  | ✝                 |  |  |  |  |
|               | 118        |          | T                                                |          | 1        | ✝        |          |                                                  | T        | ┢  | 1                 |  |  |  |  |
| П             | 119        |          |                                                  |          | Т        |          |          |                                                  |          | T  | 1                 |  |  |  |  |
|               | 120        |          |                                                  | Г        |          | Г        | Т        | 1                                                |          | T  | Т                 |  |  |  |  |
|               | 121        |          |                                                  | <u> </u> | T        | T        | T        | t                                                |          | H  | 十                 |  |  |  |  |
|               | 122        |          |                                                  |          | T        | T        |          |                                                  |          | T  | T                 |  |  |  |  |
| П             | 123        |          |                                                  | Γ        | Т        |          |          | Г                                                |          | Г  |                   |  |  |  |  |
|               | 124        |          |                                                  |          | Π        |          |          |                                                  |          | Г  | Г                 |  |  |  |  |
|               | 125        |          |                                                  |          |          |          |          |                                                  |          | Γ  |                   |  |  |  |  |
| Ш             | 126        |          |                                                  | L        | L        |          |          |                                                  |          |    |                   |  |  |  |  |
| ightharpoonup | 127        | _        | L                                                | L        | ╙        | L        | <u> </u> | L                                                | _        |    |                   |  |  |  |  |
|               | 128        | _        | _                                                | _        | ╙        | ┞        | _        | <u> </u>                                         | ᆫ        | _  | L                 |  |  |  |  |
|               | 129        |          |                                                  | _        | _        | ▙        | $\vdash$ | _                                                |          | _  | _                 |  |  |  |  |
|               | 130        |          |                                                  | _        | ⊢        | ⊢        | _        | _                                                | <u> </u> | _  | <del> </del>      |  |  |  |  |
|               | 131<br>132 |          | -                                                | -        | -        | $\vdash$ |          |                                                  |          | -  |                   |  |  |  |  |
|               | 133        |          | -                                                | -        | -        | $\vdash$ | $\vdash$ |                                                  | -        | -  | H                 |  |  |  |  |
|               | 134        | -        | -                                                | -        | -        | ┢        | -        | -                                                |          | -  | ┝                 |  |  |  |  |
|               | 135        | _        |                                                  | ┝        | ┢        | $\vdash$ |          | -                                                |          | -  | ┢                 |  |  |  |  |
|               | 136        | $\dashv$ |                                                  | _        | ┢        |          |          | -                                                | _        | _  | $\vdash$          |  |  |  |  |
|               | 137        | T        |                                                  |          |          |          |          |                                                  |          | Т  |                   |  |  |  |  |
|               | 38         |          |                                                  |          |          |          |          |                                                  |          | Т  |                   |  |  |  |  |
|               | 39         |          |                                                  |          |          | Г        |          |                                                  |          | -  |                   |  |  |  |  |
|               | 40         |          |                                                  |          |          |          |          |                                                  |          |    | Г                 |  |  |  |  |
| Ī             | 141        |          |                                                  |          |          |          |          |                                                  |          |    |                   |  |  |  |  |
|               | 142        |          |                                                  |          |          |          |          |                                                  |          |    |                   |  |  |  |  |
|               | 143        |          |                                                  |          |          |          |          |                                                  |          |    |                   |  |  |  |  |
|               | 44         |          |                                                  |          |          |          |          |                                                  |          |    |                   |  |  |  |  |
|               | 45         | $\Box$   |                                                  |          |          |          |          |                                                  |          |    |                   |  |  |  |  |
|               | 46         | _        |                                                  |          | Ц        |          |          |                                                  |          |    |                   |  |  |  |  |
|               | 47         | _        |                                                  |          | <u></u>  | Щ        |          |                                                  |          |    |                   |  |  |  |  |
|               | 48         | 4        | _                                                |          | Щ        | Щ        | $\Box$   | _]                                               | $\Box$   |    | $\overline{\Box}$ |  |  |  |  |
|               | 49         | 4        | _                                                | _        |          | Щ        | $\sqcup$ | _                                                | _        | _  |                   |  |  |  |  |
| t             | 50         |          |                                                  |          |          |          |          |                                                  |          |    | لـــا             |  |  |  |  |

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